

SECTION OF ROOF
COVERED WITH
OUR OCTAGON SHINGLES

SECTION OF ROOF
COVERED WITH
OUR EASTLAKE
SHINGLES

MONTRUSS METAL SHINGLE CO
AND TILES
CAMDEN N.J.
MANUFACTURERS OF

SECTION OF ROOF
COVERED WITH
OUR DIAMOND
TILE

SECTION OF ROOF
COVERED WITH
OUR VICTOR
SHINGLES

SECTION OF ROOF
COVERED WITH
OUR GOTHIC TILE

. . . PRICE LIST . . .

**Montross Metal Shingles and Tiles made of I. C. Prime Roofing Tin.
Galvanized Shingles are illustrated on page 14.**

			Tin Painted.	Tin Plate Galvanized.	Gross Weight Tin Painted.	Gross Weight Galvanized.
Eastlake Shingles	(page 19) . . . per square,		\$5.00	\$6.50	About 70 lbs	85 lbs.
Octagon Shingles	(" 19) . . . " "		5.50	7.25	" 75 "	90 "
Victor Shingles	(" 12) . . . " "		5.50	7.25	" 80 "	95 "
Gothic Tiles	(" 17) . . . " "		8.00	10.25	" 90 "	105 "
Diamond Tiles	(" 17) . . . " "		8.00	10.25	" 90 "	105 "
Metal Brick Siding	(" 13) . . . " "		4.50	5.75	" 65 "	90 "

A square covers 100 square feet (ten feet square) when laid. Special Brands of Tin, or Copper Shingles and Tiles quoted on application.

ROOFING SUNDRIES.

	Tin Painted	Galvanized
Rope Ridge Cap (page 36),	07c	08c per lineal foot.
Japanese Hip-Cap (page 37),	12c	16c " " "
Special Valley (page 37)	12c	16c " " "
Roof and Tower Finials	list price on pages 38 and 39	
Nails, one-inch barbed wire	08c per lb.	
Paint, Ready-Mixed, Red, Brown or Graphite, (page 12).	\$1.00 per gallon.	
Rosin Sized Sheathing (500 feet)	Price quoted on application.	

TERMS CASH, unless otherwise agreed upon. All goods shipped F. O. B. Camden or Philadelphia. No charge for packages. Parties not rated in Commercial Agencies should send reference, or we will ship goods, draft attached to bill of lading, payable at your nearest bank, unless otherwise requested. DISCOUNTS TO THE TRADE.

AVERY LIBRARY
COLUMBIA UNIVERSITY

\$ 15.00
774XB



The Present

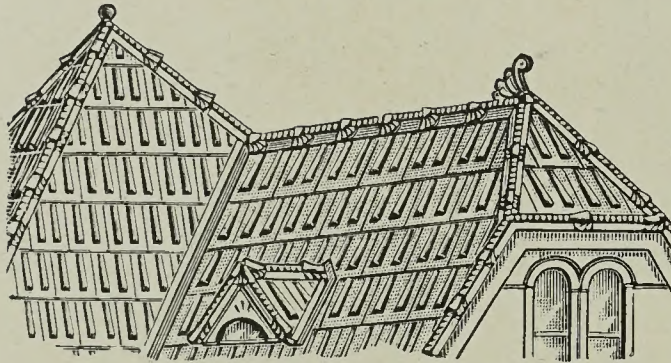
Some
Architectural
for
Roofing
and
Siding

Designs
in
Metal

FROM
THE MONTROSS METAL SHINGLE CO.
CAMDEN N.J.

The Past

METAL is the Best Material for Roofing When Properly Put On.



Section of roof covered with Montross
Victor Metal Shingles.

It is used on almost every building, either as an entire covering, or in connection with slate and wood shingles, in the most critical parts, such as Valleys and Gutters. Its use with wood shingles or slate is not a fair test of its durability, because the wood or slate must overlap the metal, and being porous, the moisture from dew and rain is retained in the over-lap, causing the metal to decay.

Another disadvantage in using metal with wood or slate, is that it rarely ever gets the second coat of paint, as climbing over the roof breaks the slate or splits the wood shingles. It is impossible to repaint under the over-lap, therefore it is neglected, and when the Valleys are gone the roof must be renewed.

By using Montross Metal Shingles for the entire covering, properly put on, will give at least **Three Times the Service**, as it will dry off quickly after a rain, can be repainted at a very trifling cost, and is not likely to be neglected. It is fire- and lightning-proof, while slate and wood shingles are not.

Linn County Court House, Albany, Oregon.
Roof covered with Montross Victor
Shingles. Designed by Charles
H. Burggraf, Architect,
Albany, Oregon.



NEW HOLLAND, PA.
Gentlemen:—We have used hundreds of squares of Montross Metal Shingles and Tiles, and in every instance are giving entire satisfaction. We strongly recommend them for a storm- and fire-proof roof.
I. G. DAVIS & SON, Roofers and Sheet Iron Workers.

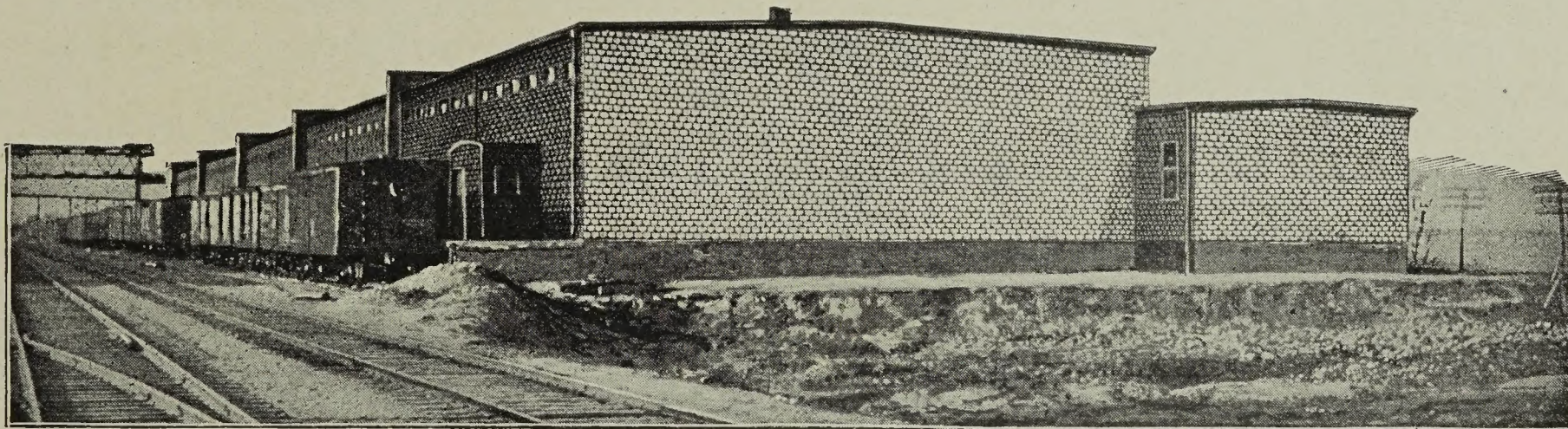
THE BEST Method of Applying Metal to a Roof.

The only effective or permanent way is to have the plates embossed to stiffen them, and the horizontal joints like slating to over lap the one below with anti-capillary grooves formed in the over lap to prevent moisture being drawn under. The vertical seam must be a Telescope Joint, which readily adjusts itself to all changes of temperature, nail along the top or side of the sheet where all nail-heads will be covered. This will admit of each plate moving by contraction or expansion, independent of the balance of the roof, and if Montross telescope side-lock is used, there will be no leaks. Be sure that you get this form of a lock.

AS METAL is used for roofing purposes more than any other material, is proof enough that it is the best and most durable covering when properly applied. It has disadvantages when used in the form of soldered sheets, which do not allow for contraction and expansion, but when applied in the form of shingles, with the Montross telescope side-lock, it becomes the best, most durable, and economical of all roofing materials. With an ordinary amount of care the Montross Metal Shingles will never corrode, are unaffected by expansion and contraction, are wind-, weather- and fire-proof, and, above all, are easily and cheaply applied or replaced.

THE Reason that an ordinary Metal Roof rattles in a high wind.

Because plain thin sheets are used with the joints soldered together, making practically one sheet over the entire building. Contraction and expansion loosens the fastenings, and the wind getting under it causes it to vibrate or pulsate. Embossing the plates remedies this difficulty and prevents the roof blowing off in a gale. **Montross Metal Shingles and Tiles** never rattle or blow off.



**ROPE WALK, PLYMOUTH CORDAGE CO., PLYMOUTH, MASS., Covered, with 30,000 square feet
Montross Eastlake Metal Shingles.**

Montross Eastlake Metal Shingles are especially adapted for large Factories, Warehouses, Grain Elevators, Barns and all classes of buildings requiring a good storm-proof roof at a moderate cost.

RELATIVE Values of Different Metals for Roofing.

Zinc, owing to its brittleness and its great contraction and expansion under change of temperature (being nearly double that of Iron or Tin Plate), is unfit for roofing purposes in this climate.

Black Sheet Iron or Steel is used on cheap temporary buildings. It has to be closely watched and kept thoroughly painted to keep it from corroding, and it is difficult to repair when it begins to go. These natural weaknesses make it undesirable for roofing. Its first cost is low, will not give satisfaction, and is dear at any price.

Tin Roofing Plates are made from the highest grade of sheet iron or steel, protected from rust with a coating of tin and lead by dipping. This increases the durability fully 300 per cent., when used in the form of a properly constructed Metal Shingle. With telescope lock it is the best low-priced roof you can use. With an occasional coat of paint it should last a lifetime.

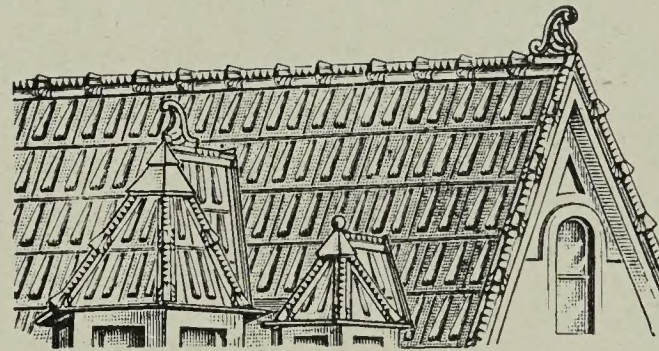
Galvanized Iron has a protective coating put on by dipping into melted Zinc. As Zinc is a very brittle metal, the plates should be first embossed or stamped into the shape they are to be used with all locks made, then dip them into the galvanizing pot, which will insure an unbroken covering over the entire surface. The Montross Galvanized Shingles and Tiles are made from tin plate and galvanized after stamping.

COPPER is an Indestructible Metal.

Will last upon a roof indefinitely; needs no care or attention, and is permanent. It, however, must be put on right to obtain these results. Its action by contraction and expansion is 50 per cent. greater than iron, therefore close or soldered seams will not do at all.

It is said that Metal Roofing is objectionable, as it rattles in a wind-storm. This is true if plain sheets of metal are used, but where the plates are embossed into Metal Shingles there will be no more rattling than from slate or wood shingles.

Metal, on account of lower rate of insurance and greater durability, is the most economical roofing, and, if suitably embossed, presents the highest Architectural appearance.



Roof covered with Montross Victor Metal Shingles.

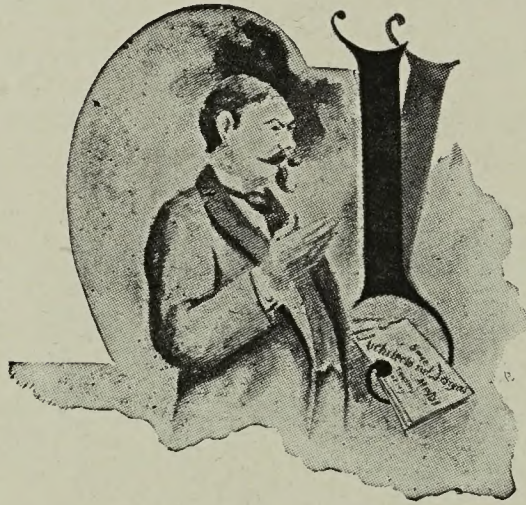
MILLVILLE, PA.

Gentlemen·

Your Galvanized Victor Shingles are all you claim for them. They do not leak in the most violent storms, or when snow is drifted on the roof, neither did I paint them—did not think it necessary.

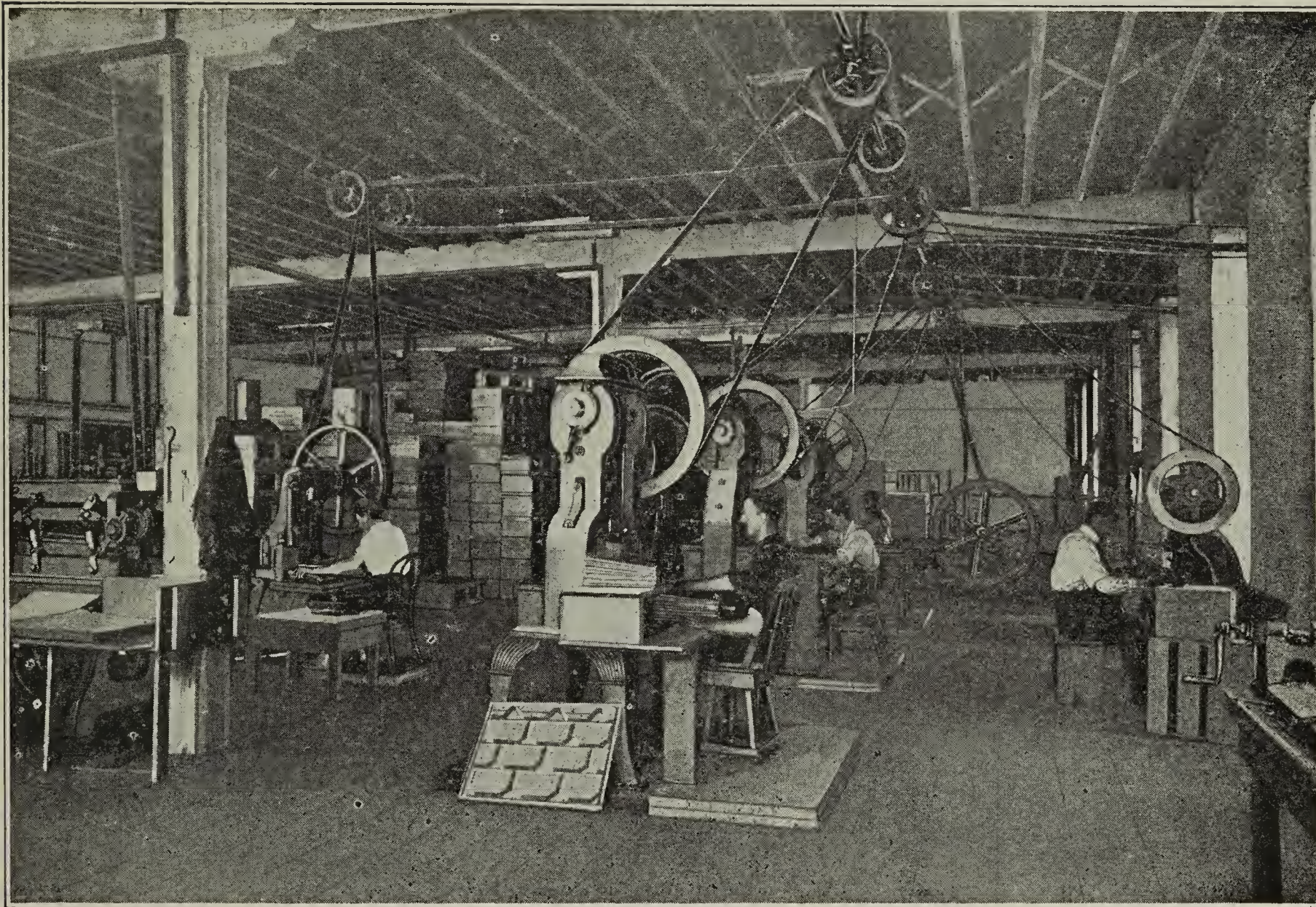
Yours truly,
J. C. CHRISTIAN.

MATERIALS Used, Facilities for Manufacturing, Price and Competition.



N Roofing Tin there is a very wide range in price, weight and quality, between the poorest and full weight prime charcoal plates. Light-weight plates weigh 16 to 40 pounds less per box, and are sold proportionately lower in price. Then there are wasters, or culls, which can be bought at almost any price, being defective sheets, either in the plates or coating, and no better for roofing than black iron. Montross Metal Shingles and Tiles are made of prime selected sheets, uniform in thickness and perfectly coated.

Our factory is equipped with the latest and best machinery, specially built for manufacturing Montross Metal Shingles and Tiles. We buy at the lowest prices and furnish **good material**, but we cannot compete in price with inferior roofing, where iron, steel, light-weight or culled sheets are used, which we will not sell and sacrifice the high reputation of Montross Metal Shingles and Tiles. If you buy inferior roofing, do not confound it with our goods.



Interior view of our Stamping Department, showing how Montross Metal Shingles and Tiles are made.



WE ask you to compare Montross Metal Shingles with other materials and methods of applying metal. The essential features of a first-class roof are: Durability, ornamentation, light weight, lightning-proof, storm-proof and fire-proof, protection from heat and cold, wind and rain.

SLATE possesses several of these qualities, is partially fire-proof, and being nearly eight times heavier than our Metal Shingles, requires a more expensive frame work to carry it. When exposed to fire it will crack and slide off, leaving the felt and sheathing exposed to the flames. It breaks from freezing and thawing or anything striking it, and cannot well be repaired, therefore its durability is questionable.

WOOD SHINGLES—The average life of wood shingles is much less than formerly, when they were made from choice prime timber. Now they are being cut from soft trees, saplings, limbs and old cuttings, because prime timber brings higher prices for other purposes. They warp, crack and split, and are growing in disfavor. The greater number of fires originate on a wood shingle roof.

MONTROSS METAL SHINGLES cost about the same as wood shingles, when applied; laid much faster (only requires 32 Eastlake Shingles to cover 100 square feet, and about 1000 wood shingles to cover same amount of surface); look far better; safe against fire and lightning; last much longer. With ordinary care they will last as long as your building stands.



Residence of B. F. Parsons, Cramer Hill, N. J. Roof covered with Montross Octagon Metal Shingles.
Tower—Diamond Tile, Japanese Hip Cap, and Final No. 1140.

Gentlemen:—I used several lots of your Metal Shingles and have carefully watched them, and am unable to find any fault with them, nor have I ever heard of anyone else doing so. Yours truly,
 PERTH AMBOY, N. J.
 ELLIS W. WAIT, Architect and Builder.

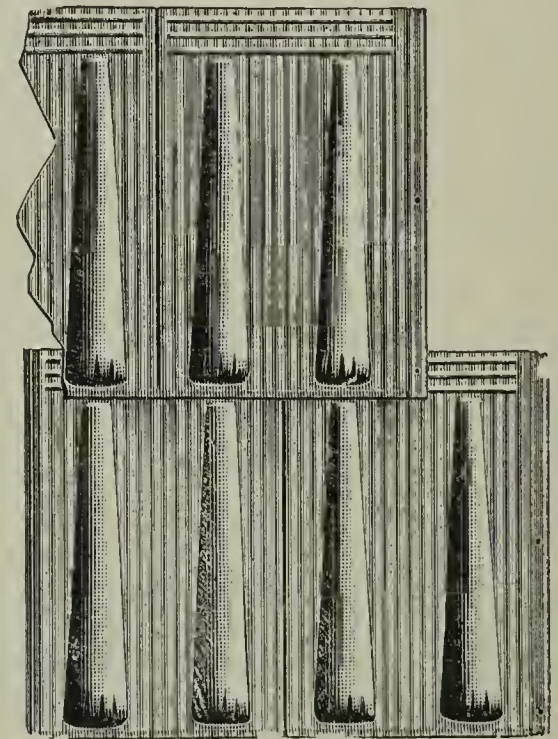
MONTROSS VICTOR SHINGLES,

Most Ornamental Roofing on the Market.

Designed for the best class of Residences, Churches and Public Buildings; costs very little more than the ordinary Metal Shingle. Is deeply embossed and presents a bold and attractive appearance on the roof; provided with **Montross telescope side-locks**, and is the most perfect Shingle in existence. Has been thoroughly tested; is superior to all other forms of roofing. We solicit a trial order, which will convince you of its Beautiful Architectural appearance. Will add double its cost to the value of your building.

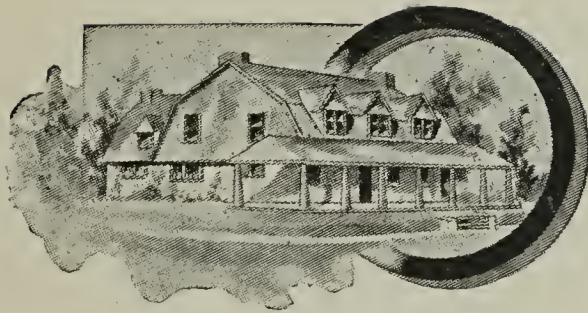
Prime quality of Roofing Tin, in the form of a Shingle, will last as long as 22 gauge black steel or iron.

About Paint.—Linseed Oil is recognized as being the best to use with any of the pigments. It sells wholesale from 50 to 60 cents per gallon, yet roofing paints are manufactured to sell at 8 to 75 cents per gallon. Below 65 cents per gallon they are adulterations. The Paint we use is of the best quality. We mention these facts to show how cheaper Metal Shingles can be produced by using cheap paint.

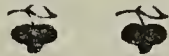


VICTOR SHINGLE.

Size 10x14 in. 146 Shingles per square



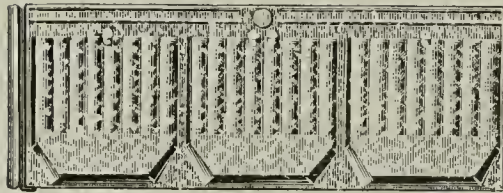
OUR METAL SIDING.—Imitation pressed brick. Largely used for covering the sides of dwellings, factories, grain elevators, etc. Very easily applied, can be put on by any ordinary mechanic. Presents a smooth and neat appearance; durable and fireproof. When painted, cannot be distinguished from pressed brick. Costs no more than wood siding, and about one-fifth the price of brick. Manufactured of tin, painted or galvanized, size 20x28 inches, which are convenient to handle and cut to less waste than larger sheets. We solicit a trial order.



PAINTING.—Our Tin Shingles and Tiles are thoroughly painted on both sides with the best oil paint. For the first coat we use a red mineral oxide mixed in linseed oil, which is the best for preserving the metal, after which they can be painted any desired shade. We can furnish ready-mixed paint for second coat, which should be applied when roof is put on.



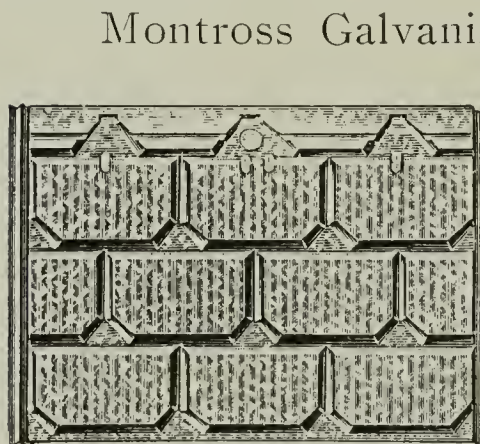
MONTROSS Galvanized Shingles and Tiles.



Galvanized Octagon Shingle.
Size 10x28 in. 66 Shingles per square

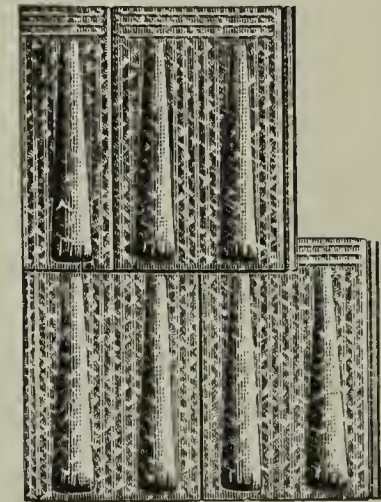
For a number of years we have experimented in the manufacture of a first-class, durable, Galvanized Shingle that will give entire satisfaction.

We have been successful, and now offer our customers and the public something superior to the ordinary galvanized iron shingles. Stamping galvanized iron, the coating cracks and scales off, leaving the iron exposed where corrosion will take place in a very short time. This class of shingles cost less, but are never satisfactory.

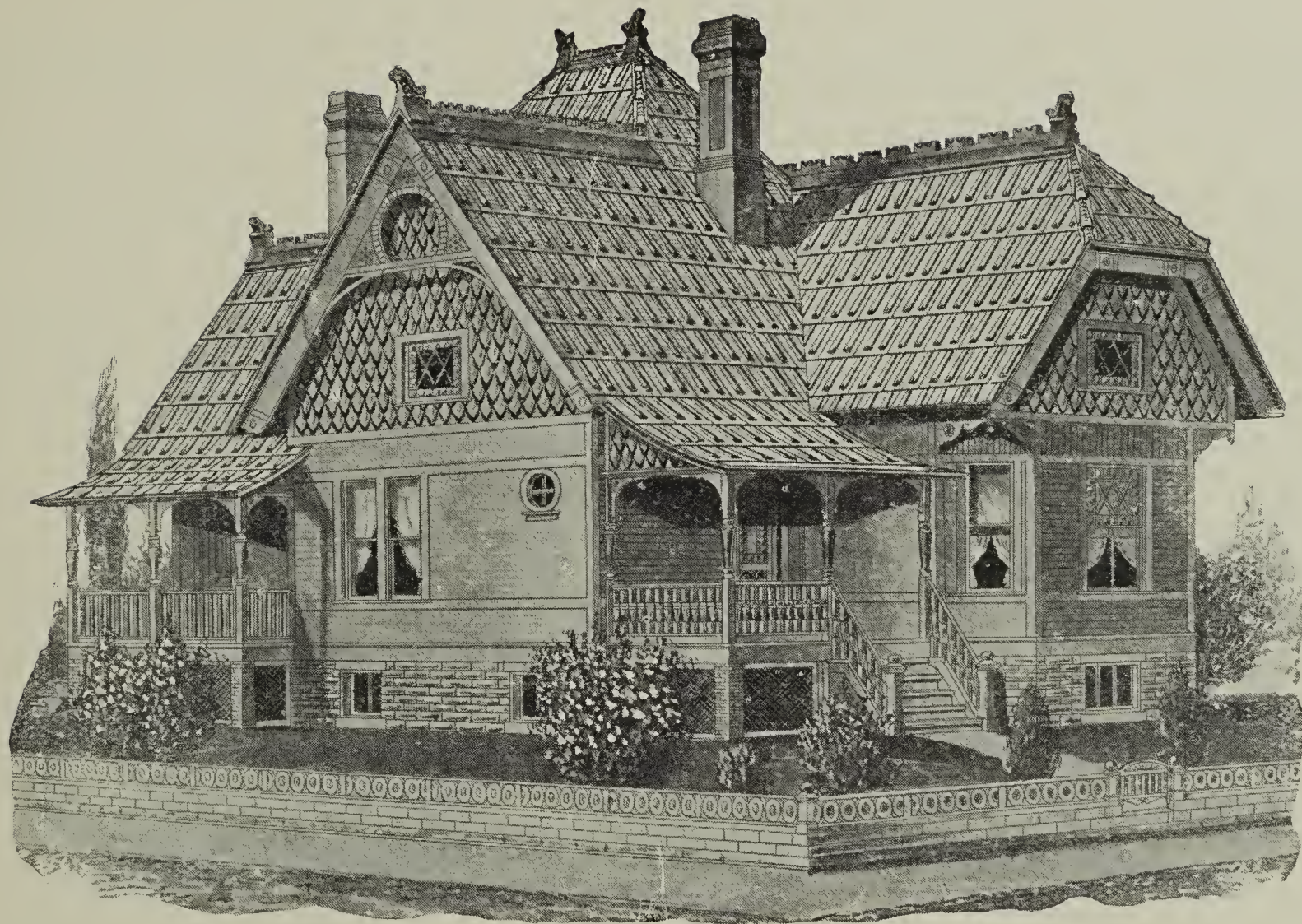


Galvanized Eastlake Shingle.
Size 20x28 in. 32 Shingles per square,

Montross Galvanized Shingles are made of prime tin plates and galvanized after they are embossed and formed, which avoids cracking and scaling off of the galvanized coating. By this method we are producing the **best, double coated** Galvanized Shingles at a small additional cost over the ordinary process of manufacture.



Galvanized Victor Shingle.
Size 10x14 in. 146 Shingles per square.



Roof Covered with Montross Victor Metal Shingles. Gables Covered with Gothic Tiles, Hips Covered with Japanese Hip-Cap.

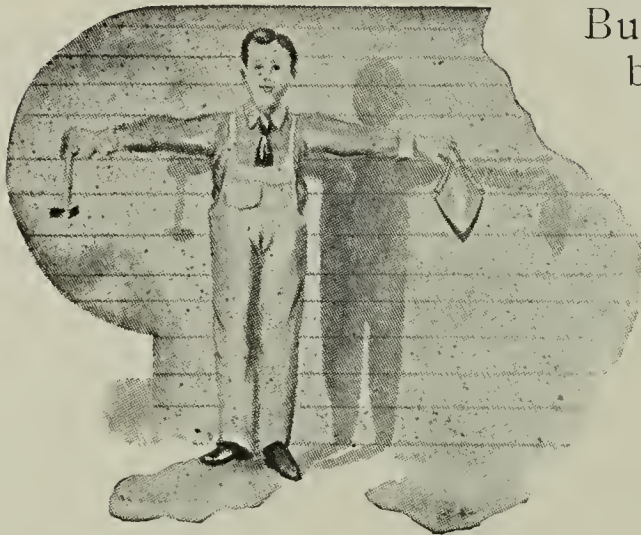
PHILADELPHIA, PA.

Gentlemen:—I can only say I am well pleased with your shingles. Wherever I have used them I feel that the beauty and durability of the structure have been advanced thereby. I have used them on the Dormers, Gables, etc., of my house, and find the Shingle to be all you claim for it in your circular.

Very truly yours,

EDWIN F. BERTOLETT, Civil Engineer and Architect,

MONTROSS Gothic and Diamond Tiles.



Designed for Mansards, Towers, Bay Windows, Bulkheads, Porches, siding Queen Anne cottages, gables, belt courses, etc.

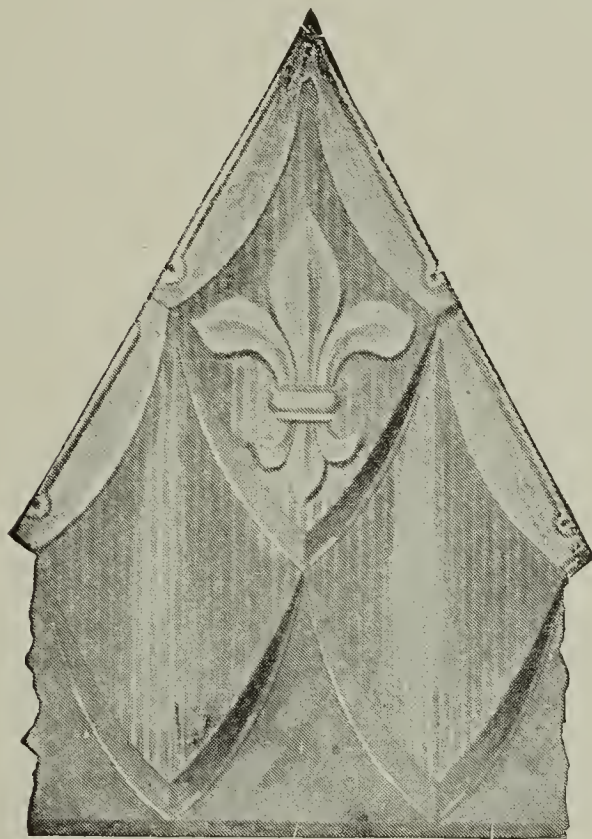
These Tiles are the handsomest covering on the market. Our Gothic Tile looks like an impregnable armor, or coat of mail; too much cannot be said of its rich, attractive appearance.

Montross Gothic and Diamond Tiles are provided with a lip or cleat to secure the lower point, and all nail-heads are covered. The great superiority of these over other tiles is its perfect locking system.

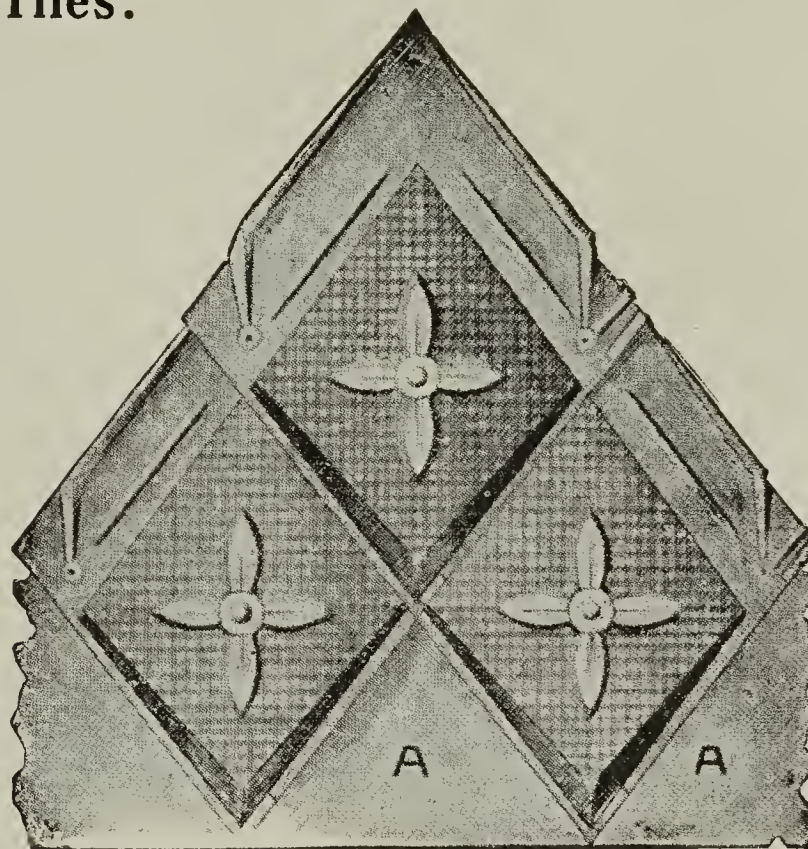
When laid the lock does not lay upon the sheathing, but has two thicknesses of metal under it and cannot occasion a leak. We call your special attention to this feature. They can be laid on curved surface as well as plain; are a very simple and easy tile to lay. Any average mechanic can put them on.

In ordering Gothic or Diamond Tiles, if you will give the length of eave course we will cut the proper amount of tiles for first course, marked "A" in illustration on opposite page. The points cut off work in along the top. No extra charge.

MONTROSS Gothic and Diamond Tiles.

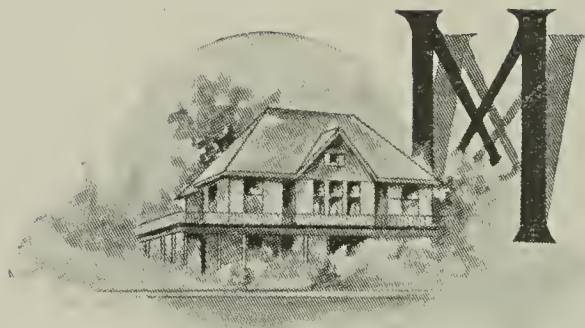


Cluster of three Gothic Tiles, joined together, showing two plain tiles and one ornamental tile.



Cluster of three Diamond Tiles, joined together. Can be furnished with plain centre, or with rosette, as shown in illustration.

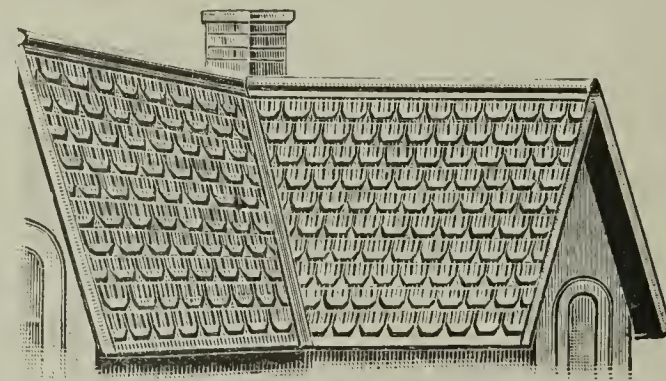
Cover 6x6 inches each; 400 cover one square (100 square feet).



MONTROSS EASTLAKE and OCTAGON Shingles.

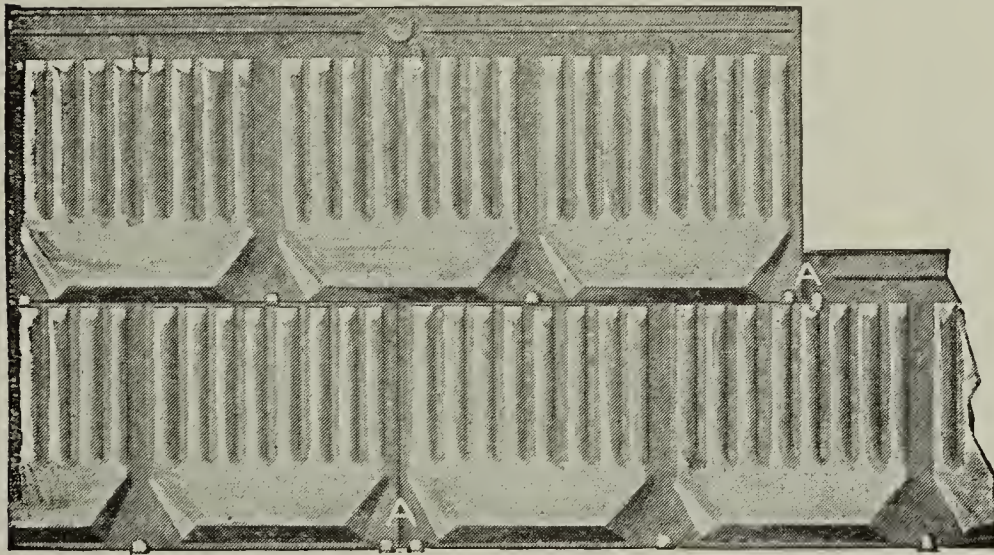
Eastlake Shingles guaranteed to make a storm-proof roof on one-sixth pitch (four inches to the foot) or over. Octagon and Victor Shingles one one-quarter pitch (6 inches to the foot) when laid according to directions. They do not require an expert to lay them; are in use on more buildings than any other metal shingle and give entire satisfaction.

Montross Metal Shingles will last double the time the same metal would, put on the old way, as there is no strain on the metal, by contraction or expansion. They have our **telescope storm-proof side-lock**, with the largest overlap of any shingle made; are thoroughly secured along their lower edge by cleats of heavy metal, and are held in place permanently. Perfect side-lock, large over-lap and secure fastenings make leakage absolutely impossible; laid complete without solder and all nail-heads are covered; no repairs required, as the joints cannot break; thoroughly painted on both sides with the best oil paint, and are constructed on scientific principles. Hammer and shears are the only tools required to lay them.

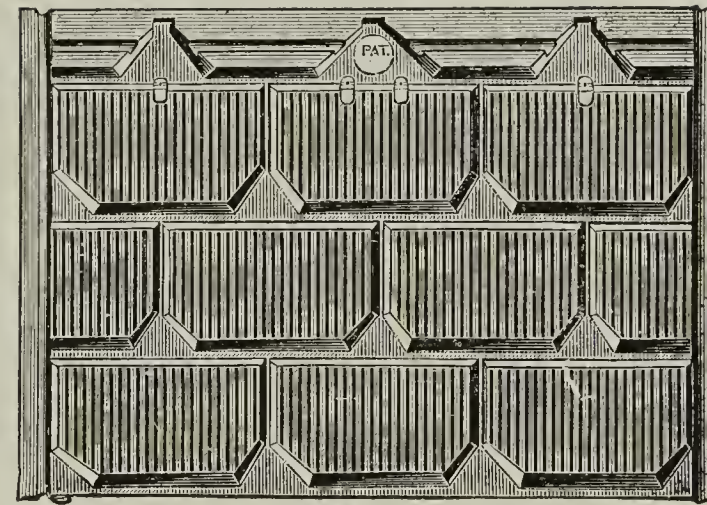


Eastlake and Octagon Shingles.

Designed for Churches, Residences, Barns, Grain Elevators, Sheds, and all buildings where moderate-priced, reliable, durable, ornamental, medium weight, fire- and storm-proof roofing is desired.



OCTAGON SHINGLE—66 shingles per square. Three figures stamped on each shingle. Size 10 x 28 inches.



EASTLAKE SHINGLE. Size 20 x 28 inches.
32 shingles per square.

When ordering, give length of eave and we will send proper amount of eave course. No extra charge. Full directions sent with each order.

MOORESTOWN, N. J.

Gentlemen:—The Eastlake Shingles bought of you in 1890, are very satisfactory.

Yours respectfully,

F. A. MEASEY,
Roofer.

ALLEGHENY, PA.

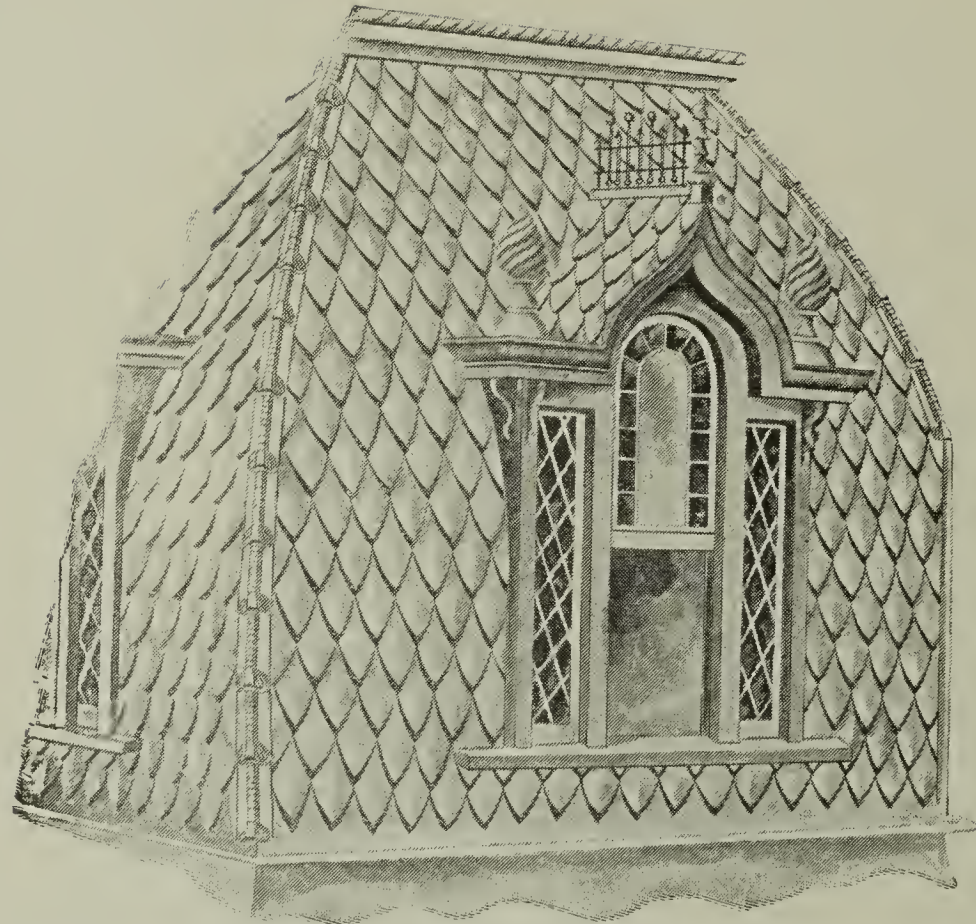
Gentlemen:—The Diamond Tiles and Octagon Shingles we used in 1891 are giving very good satisfaction and look well. I have always advised your designs, as they are original and present a good appearance.

Yours very truly,
JOHN T. BEALOR & CO.,
Roofers.

LOCK HAVEN, PA.

I used your Tin Painted Eastlake Shingles ten years ago. I repainted the roof this autumn and found the Metal Shingles apparently as good as when first put on.

E. J. BAIRD.



**Tower on Building of J. B. Van Sciver & Co., Camden, N. J.,
Covered with Gothic Tiles, and Hips Covered with Japanese Hip-Cap.**



Church Roof covered with Montross Octagon Shingles, Galvanized Rope Ridging and Finial No. 767.

GATESVILLE, N. C.

Gentlemen:—We used your Eastlake Shingles to cover our new church and they give entire satisfaction. If we build another, as we hope to do in the near future, I shall try to prevail on the Building Committee to use the same Shingle.

Yours very truly,
REV. CHAS. R. TAYLOR, Pastor M. E. Church.

An Important Feature of Montross Metal Shingles

Embossing of every sheet, so as to allow a large dead air space of over 95% between the Metal and Sheathing—the best non-conductor known to science, equalizes the temperature and renders a building inhabitable during the heat of summer and cold of winter. Then, again, moisture or condensation cannot collect underneath **MONTROSS METAL SHINGLES.** The importance of this should not be overlooked on any building.



Gentlemen:

I used seventy-five (75) squares of your Galvanized Victor Shingles on my house and have given good satisfaction.

You

ADMINISTRATION BUILDING
State Training School for Girls, Geneva, Illinois.



**Every Square of
Montross Galvanized
Shingles**

have about 20 pounds of Prime Virgin Western Spelter or Zinc evenly distributed over each and every Shingle. This is why they last and give satisfaction. The first cost of Shingles, made from ordinary galvanized iron, is a little cheaper, but are not durable—cost of labor for putting them on is just the same. Then again, think of the unsatisfactory results, and repair bills for a leaky roof, put on with cheap, inferior material.

on the State Buildings here, the roof being 1-3 pitch. They were put on in 1903,
truly,
JOHN WHEELER CONSTRUCTION CO.,
Per John Wheeler, Pres. & Treas.

BUFFALO, N. Y.

Gentlemen:—Your Eastlake Shingles, sold us in 1889, give entire satisfaction.

Yours very truly,
MACHWIRTH BROS. CO.,
Roofers.

MUNCY, PA.

Gentlemen:—The Eastlake Shingles, bought in 1889, have given perfect satisfaction, and attract considerable comment and attention.

Yours respectfully,
TALLMAN & McCARTHY.

WARWICK, PA.

Gentlemen:—The Eastlake Shingles, sold us in 1893, are giving perfect satisfaction.

Yours very truly,
KEEN & SON.

TUXEDO, N. J.

Gentlemen:—I am pleased to say I have introduced your Shingles in this vicinity, using them on my buildings at Mountainville, N. Y., and Tuxedo, in 1901, I consider them the best roofing of the kind I have ever used, and will be pleased to favor you with any order I may be able to get.

Very truly yours,
CHAS. H. SECOR.

WESTFIELD, WIS.

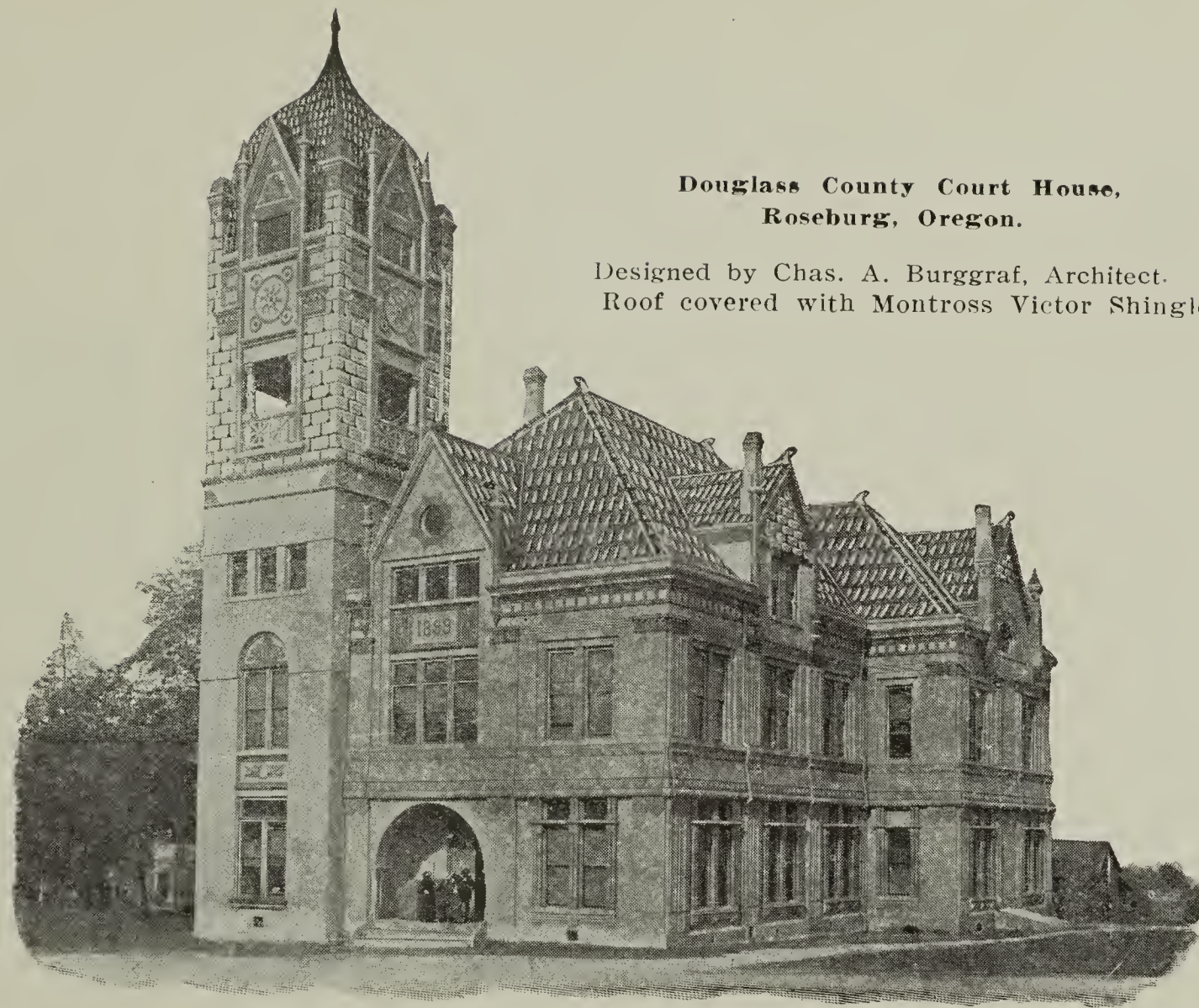
Gentlemen:—

I am well pleased with the Galvanized Eastlake Shingles purchased from you in 1904, and I can recommend them. They are easy to put on, and looks to me that they will last longer than any common roofing. There is no chance for the wind to flop or rattle the shingles, same as other roofing does.

Yours truly,
FRED. TAGATZ.



Square Tower covered with Plain Gothic Tiles; four rows of Figured Tiles in the centre; Hips covered with Japanese Hip-Cap; Finial, No. 1140, on top of tower.



**Douglass County Court House,
Roseburg, Oregon.**

Designed by Chas. A. Burggraf, Architect.
Roof covered with Montross Victor Shingles

Gentlemen:—I used the Victor Shingle on two Court Houses and for a good metal roof at small cost, it is the best I have been able to get.

In this land of "rain" a roof is put to a severe test and what "Victor" I have used has stood the storms I have specified "Victor" for another Court House for which the contract will soon be let.

Respectfully yours,

CHAS. H. BURGGRAF, Architect.

ALBANY, ORE.

GREENVILLE, GA.

Gentlemen:—The Octagon Shingles on our new Methodist Church make a beautiful roof and spire.

Yours very truly,

ROBT. N. ELLIS,
of Building Committee.

MASSENA, N. Y.

Gentlemen:—The Eastlake Shingles sold me in 1891 give entire satisfaction, and make the handsomest roofs in the village.

Yours respectfully,

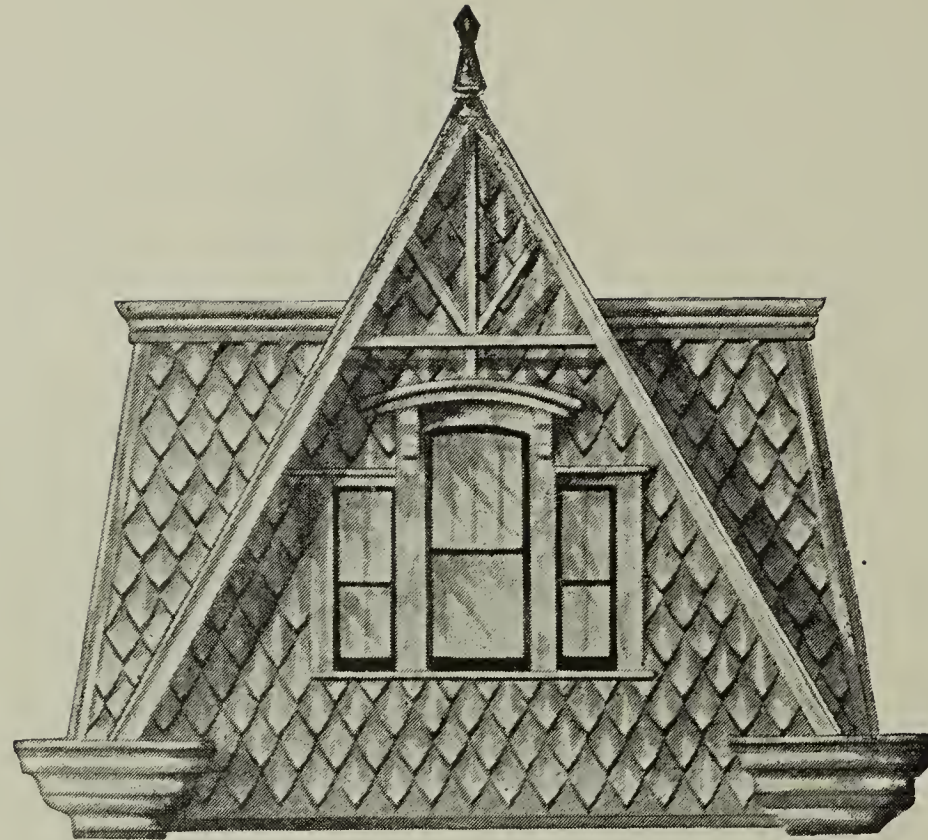
MASSENA WOOD-WORKING SHOPS,
H. W. Clark, Prop.

BERWYN, PA.

Gentlemen:—I am exceedingly well pleased with the Eastlake Metal Shingles purchased in 1889. In appearance it is fully equal to slate, and in my judgment will outlast slate, as it does not chip off or blow away. I put your Metal Shingles on with misgivings as to the appearance in comparison with slate; but I am free to say that they are my preference for a good roof.

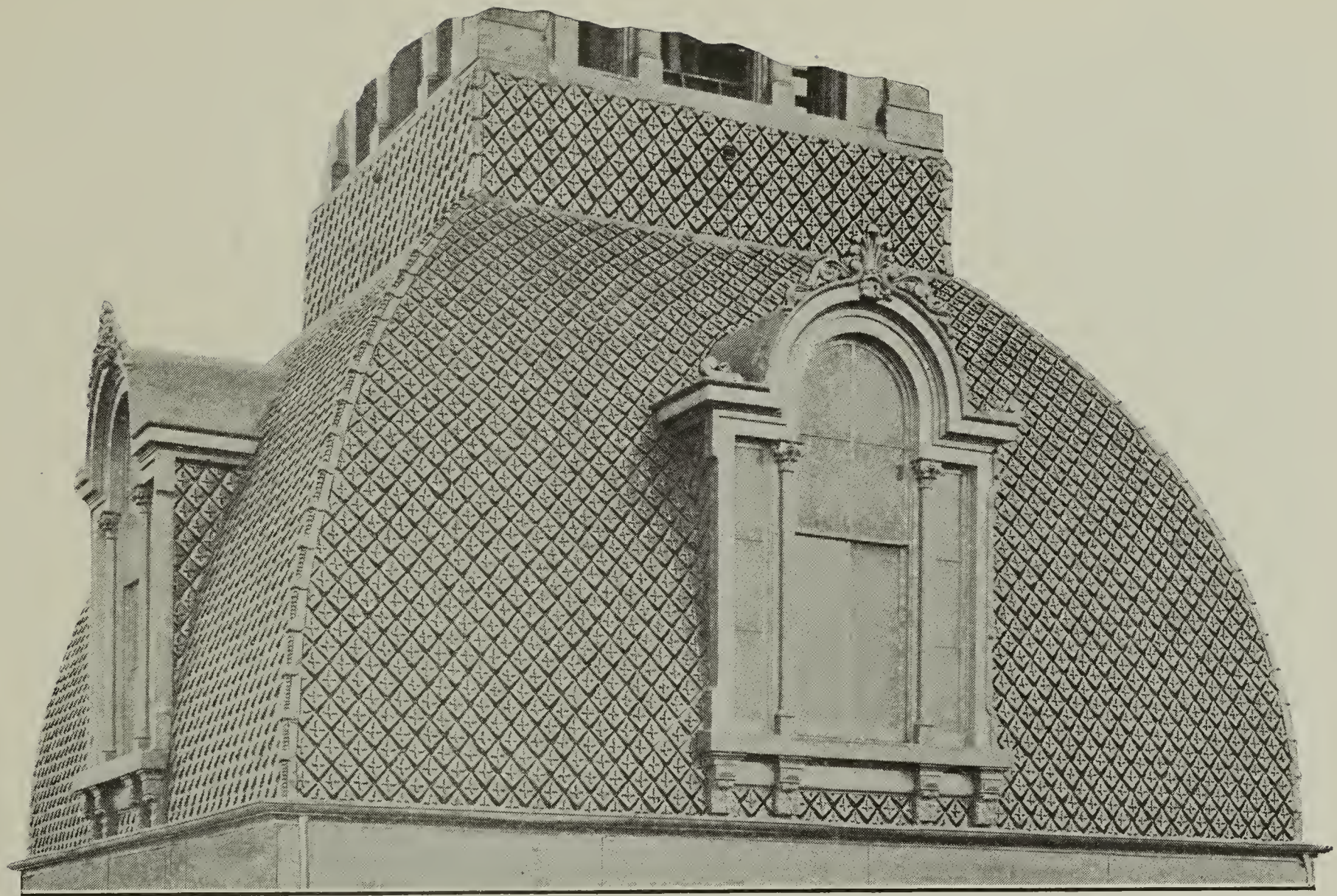
Very respectfully yours,

GEO. W. SOUTH.



**Mansard Roof Covered with Montross Gothic Tiles
and Japanese Hip-Cap.**

We have in the past, on specified orders, sold a limited amount of Shingles and Tiles made of black plate [steel and iron] which could not give the satisfaction they should, so we abandoned its use, preferring to lose an order than sell unsatisfactory goods.



City Hall Tower, Camden, N. J., covered with Diamond Tiles and Hips covered with Japanese Hip-Cap.

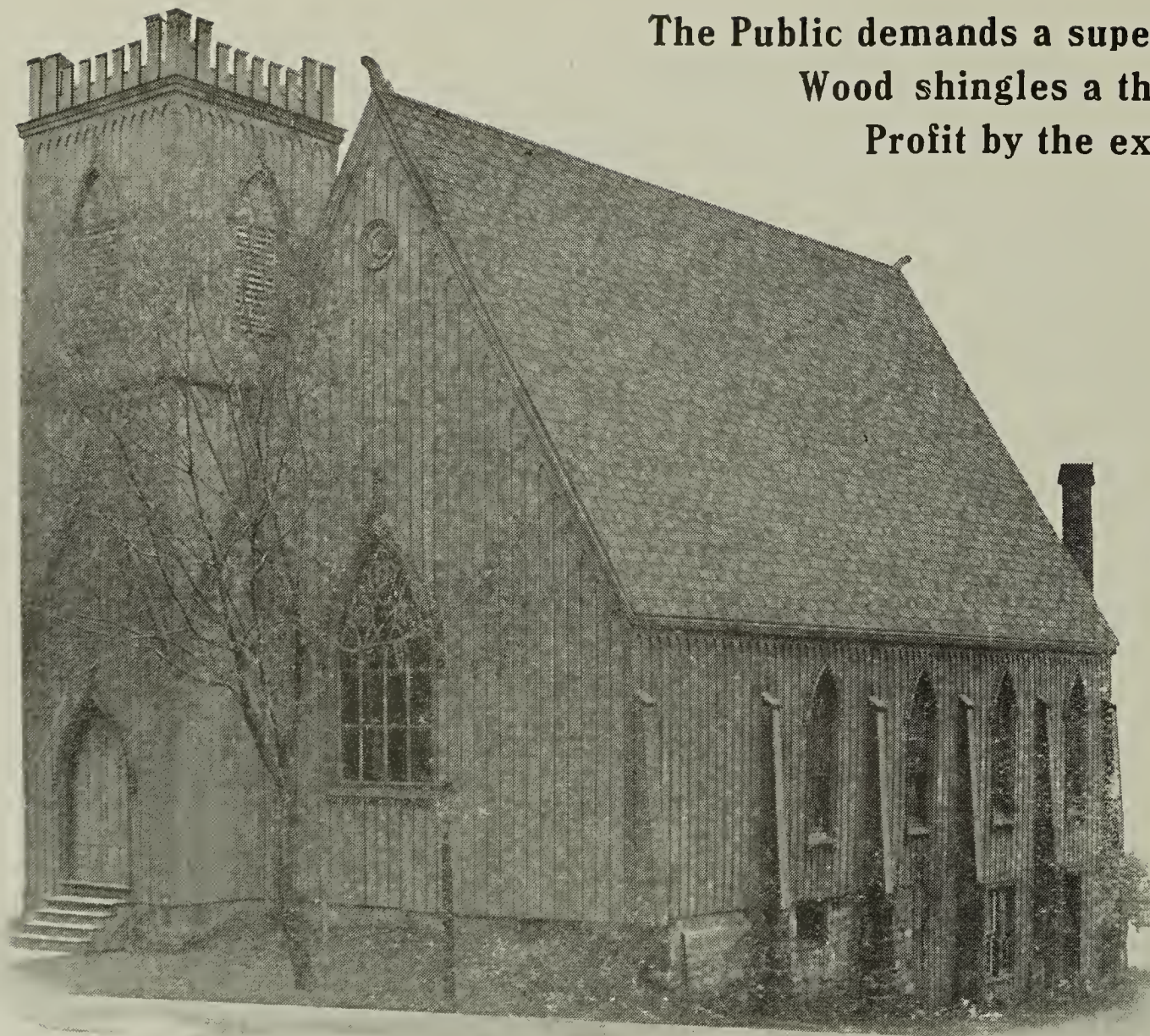
CAMDEN, N. J.

Gentlemen:—We have, during the past five years, covered a large number of buildings with your Metal Shingles and Tiles, and in every case they have given entire satisfaction. We find them the easiest Shingles to put on, and will continue to use them in our trade, and also recommend them to all of our customers.

Yours respectfully,

KLOSTERMAN BROS. CO., Tin and Iron Roofers.

**The Public demands a superior roofing;
Wood shingles a thing of the past;
Profit by the experience of others.**



St. Paul's Episcopal Church, Tidioute, Pa

Gentlemen:—The Eastlake Shingles purchased for our church in 1889, make a good roof; not a cent for repairs since, with the exception of some paint.

Yours very truly,

GREIGSVILLE, N. Y.

"I have a chance to use some of your Metal Shingles. People are getting sick of wood shingles, as they are no good."

LORENZ SIMPSON.

NORFOLK, N. Y.

"I am in the market for Metal Shingles that will take the place of Cedar Shingles and all other kinds of cheap roofing."

S. B. THOMPSON.

SANDY BOTTOM, VA.

"Please send catalogue of your Metal Shingles, as I think I will like them very much better than wood shingles or iron."

J. H. THOMAS.

TIDIOUTE, PA.

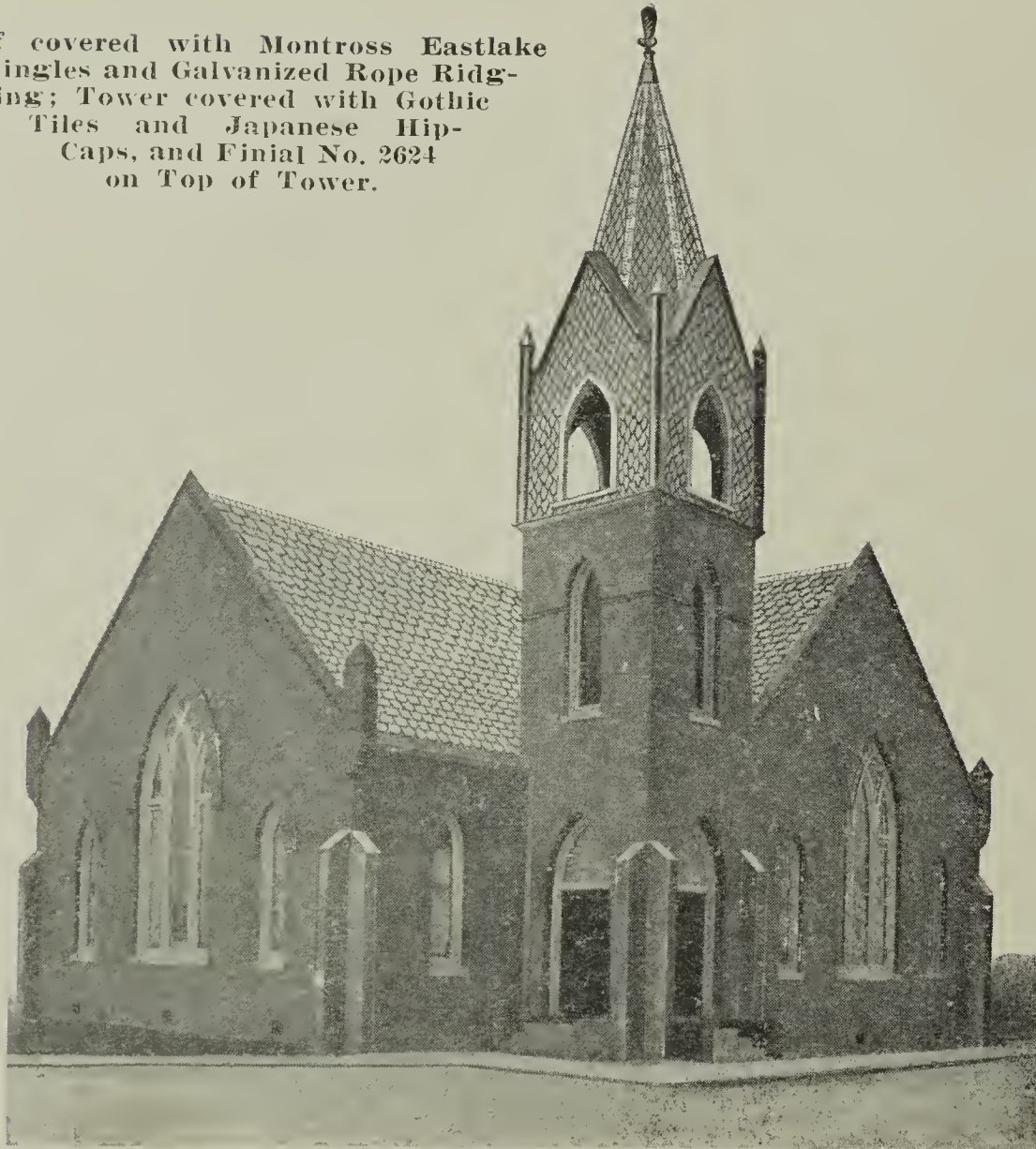
J. A. STILLMAN.



Residence of A. F. Noll, Griesemersville, Pa. Octagon Metal Shingle roof, Gothic Tile Belt and Gables.

Gentlemen:—Your Metal Shingles are just as you represented them to me, and give satisfaction.
Yours truly, A. F. NOLL.

Roof covered with Montross Eastlake
Shingles and Galvanized Rope Ridg-
ing; Tower covered with Gothic
Tiles and Japanese Hip-
Caps, and Finial No. 2624
on Top of Tower.



Methodist Episcopal Church, Hartsville S. C.

GORDONSVILLE, VA.

Gentlemen:

The Eastlake Shingles I ordered of you in 1896 give good satisfaction. I have decided to use them on my verandas also. I think I may be able to secure another order for you soon.

Yours truly,

GEORGE W. ALLMAN.

HOLLAND INSTITUTE,
NANDUA, VA.

Gentlemen:

Let me express my satisfaction in regard to your Victor Shingles, which I ordered from you in 1903. To prove how much I am pleased with them, I can only say that I have recommended them to a number of friends.

A. T. L. KUSIAN.

HARTSVILLE, S. C.

Gentlemen:—

It gives me pleasure to testify to the worth of Eastlake Shingles made by you. We put them on our handsome Methodist Church, in Hartsville, last fall, and they are giving perfect satisfaction. Painted with your Graphite Paint, it has the appearance of slate, and makes a handsome and durable roof.

Very truly,

JESSE J. STEVENSON,

Pastor.



Gentlemen:—I used your Eastlake Metal Shingles on my house, built in 1890. They appear now as good as when first put on, and have not since needed any attention except painting. I pronounce the Shingles perfect in use and ornamentation. I preferred them in 1890, and do yet, to slate. They are free from defects, faults and objections.

PHILIPPI, W. VA.

Very truly yours,

J. HOP WOODS, Attorney at Law.

KEY WEST, FLA.

Gentlemen:—Your Galvanized 'Victor' Shingles make the prettiest roof of any building in town.

Yours truly,

J. V. HARRIS, M. D.

PHOENIX, Arizona.

Gentlemen:—Your Gothic Tile makes a very good appearance, being on the Tower Gable ends and Porches on residence of Hon. Whitelaw Reid. He is very sorry he did not have them on the roof, for I could have put them on for about the same price as the tin roof cost, on account of being put on so easily.

Respectfully,

D. H. BURTIS.

KING GEORGE, C. H., VA.

Gentlemen:

We covered our new residence with the Eastlake Shingles purchased of you in 1896, and it affords me great pleasure to say they are giving entire satisfaction. They make a durable, water-tight and very handsome roof—can be readily put on by any ordinary carpenter, and I believe they will come into general use when their merits are known. I shall most cheerfully recommend them to my friends who contemplate building.

Yours truly,

WM. S. BROWN,

Clerk of King George Circuit and County Courts.

Residence of Hon. Whitelaw Reid,
Phoenix, Arizona.





Gentlemen :—I covered my residence with your Octagon Shingles and Gothic Tile on the Tower. All are painted with Graphite Paint, giving it the appearance of Slate at a less cost, and, in my opinion, less liable to get out of order. The Metal Shingles present a splendid appearance and make a perfectly satisfactory roof.

PIEDMONT, W. Va.

Yours very truly,

CHARLES A. SUTER.



Residence in Delair, N. J. Roof covered with Octagon Shingles, second-story with Gothic Tiles, and Gables with Diamond Tiles.



QUEEN'S ROYAL COLLEGE.

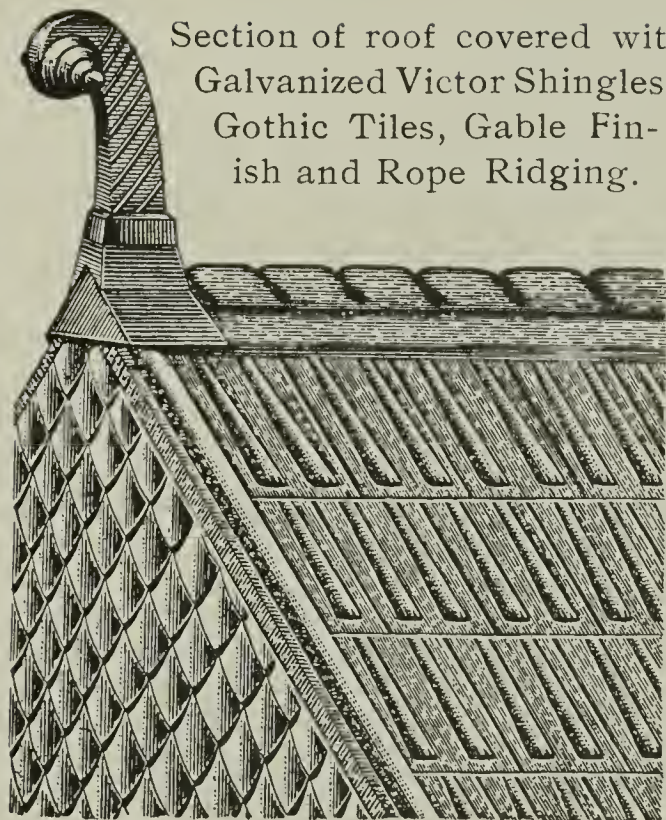
Gentlemen:

The Metal Shingles purchased from you have stood the test of some very heavy rains. One rain storm, two and a half inches of water fell in about four hours. The Shingles were put on all right, as there has been no leakage.

Yours truly,

TRINIDAD, BR. W. INDIES.

H. H. HANCOCK.



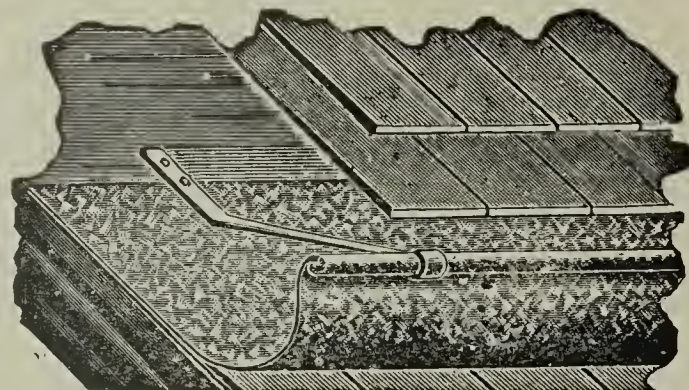
Section of roof covered with
Galvanized Victor Shingles,
Gothic Tiles, Gable Fin-
ish and Rope Ridging.



GALVANIZED ROPE RIDGE-CAP.
Diameter of roll, 2 ins.; width of apron, $2\frac{3}{4}$ ins.

GALVANIZED ROOF OR STOP GUTTER.

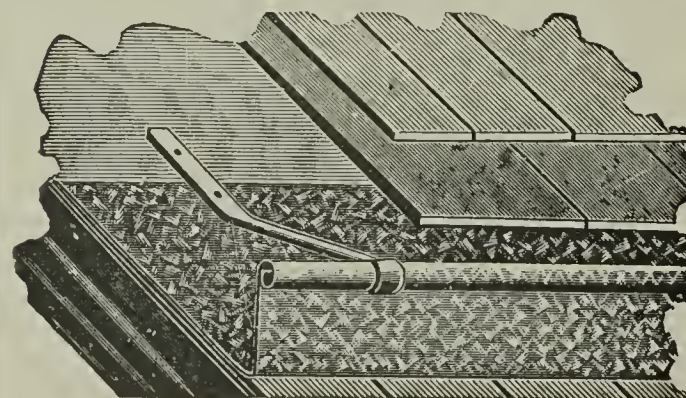
These gut-
ters are by far
the best and
are sold at
prices which
make them as
cheap as those
made of wood
lined with tin.



STYLE A

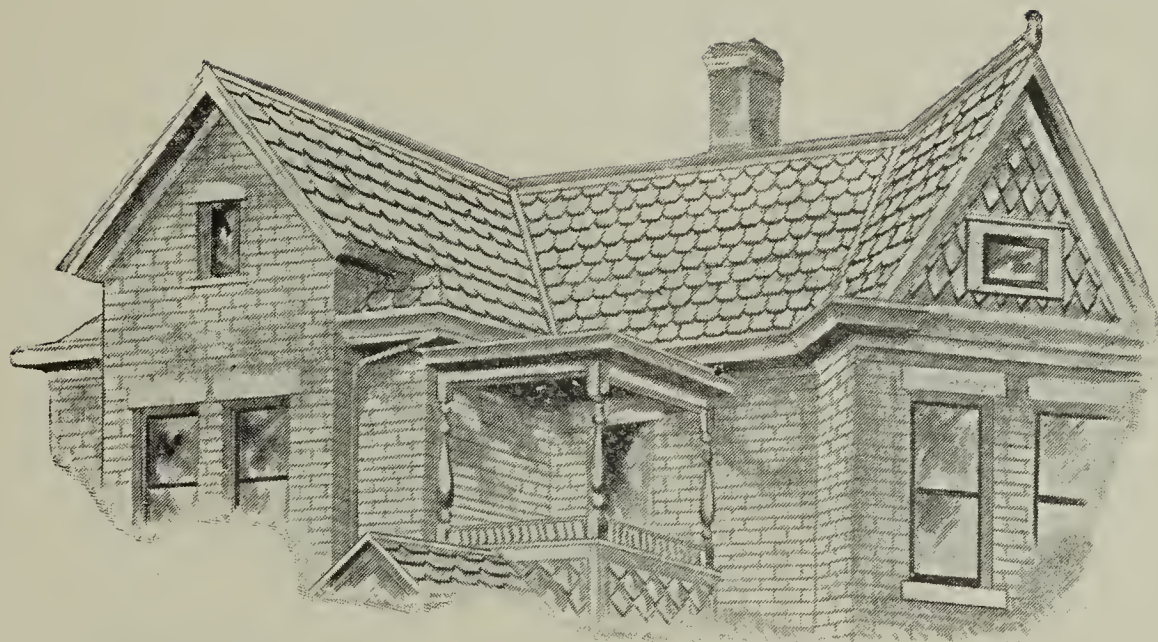
PRICE LIST.

14-inch girth.....	16 cents per foot
20-inch girth.....	20 cents per foot
24-inch girth.....	24 cents per foot



STYLE B

The Gutter
Straps are so
applied as to
leave no ex-
posed nail
heads, there-
fore there
can be no
leaks from
nail holes.



Roof and Gable covered with Montross Metal Shingles and Tiles, and Sides covered with Imitation Brick siding.

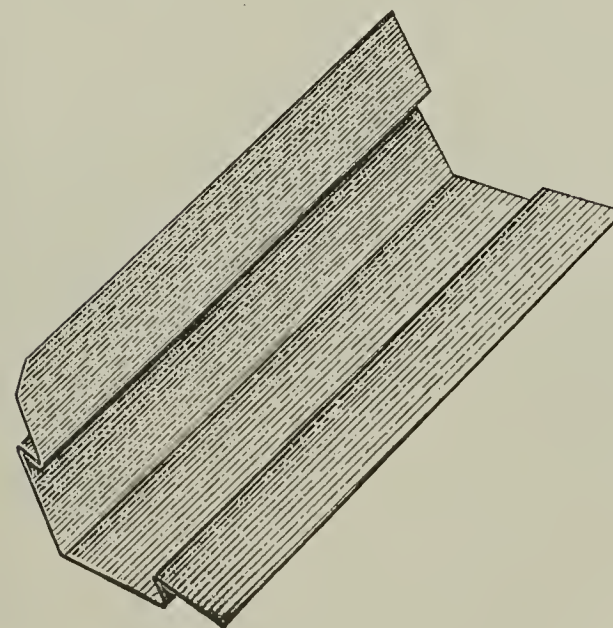


JAPANESE HIP-CAP makes extra fine finish for hips of Mansards, Towers, Bay windows and all buildings where an ornamental finish is desired at a small additional cost.

Montross Valley

Constructed to allow for contraction and expansion. The ends telescope together easily, making a tight joint without solder.

Special Valley and Rope Ridging should be used in connection with the Montross Metal Shingles and Tiles.



FINIALS, MADE OF GALVANIZED IRON AND ZINC.



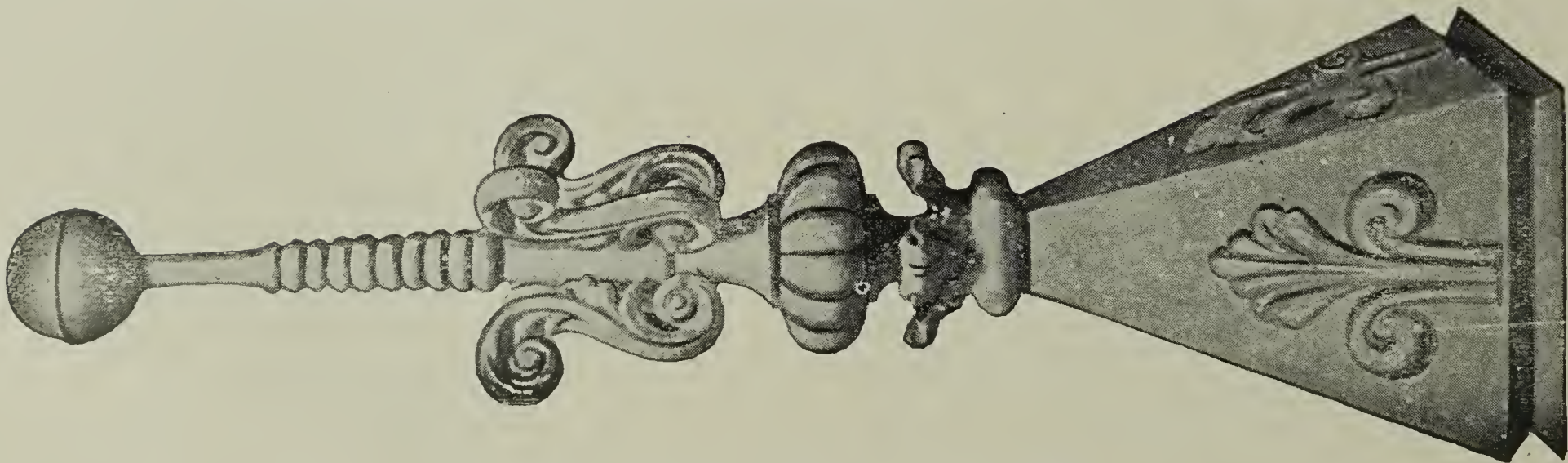
No. 767. Height, 12 inches.
Price, \$1.50.



No. 335. Height, 15 inches.
Price, \$2.00.



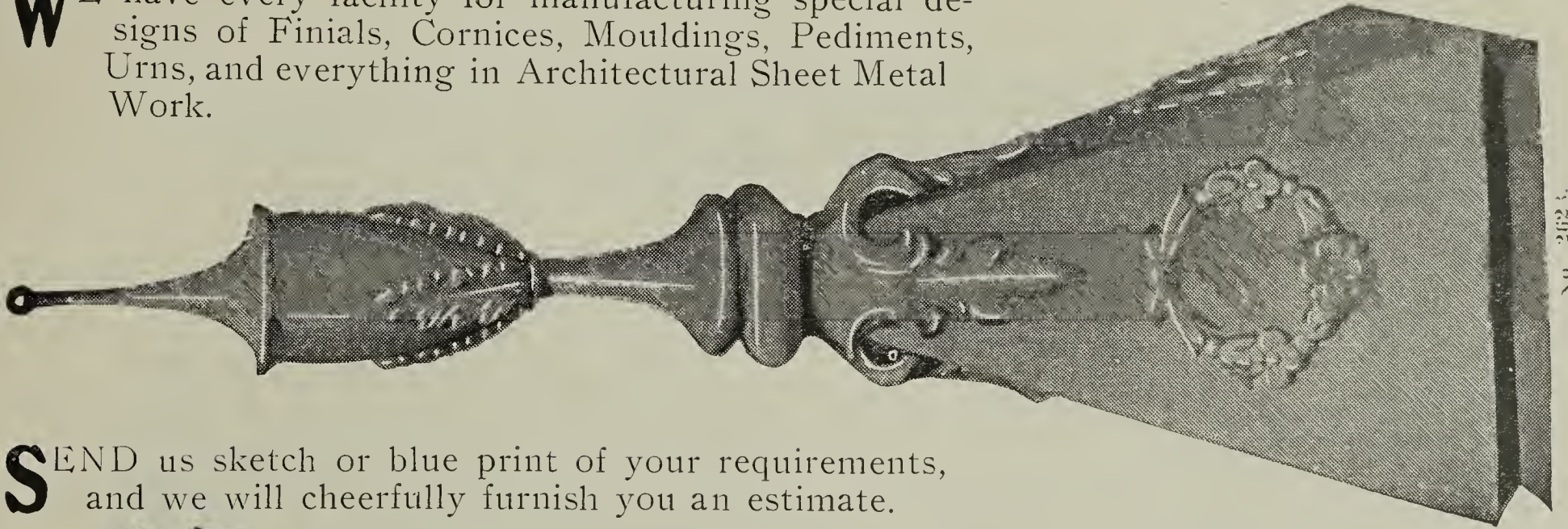
No. 946. Height, 14 inches.
Price, \$1.75.



No. 1140. Height, 54 inches. Price, \$8.50.

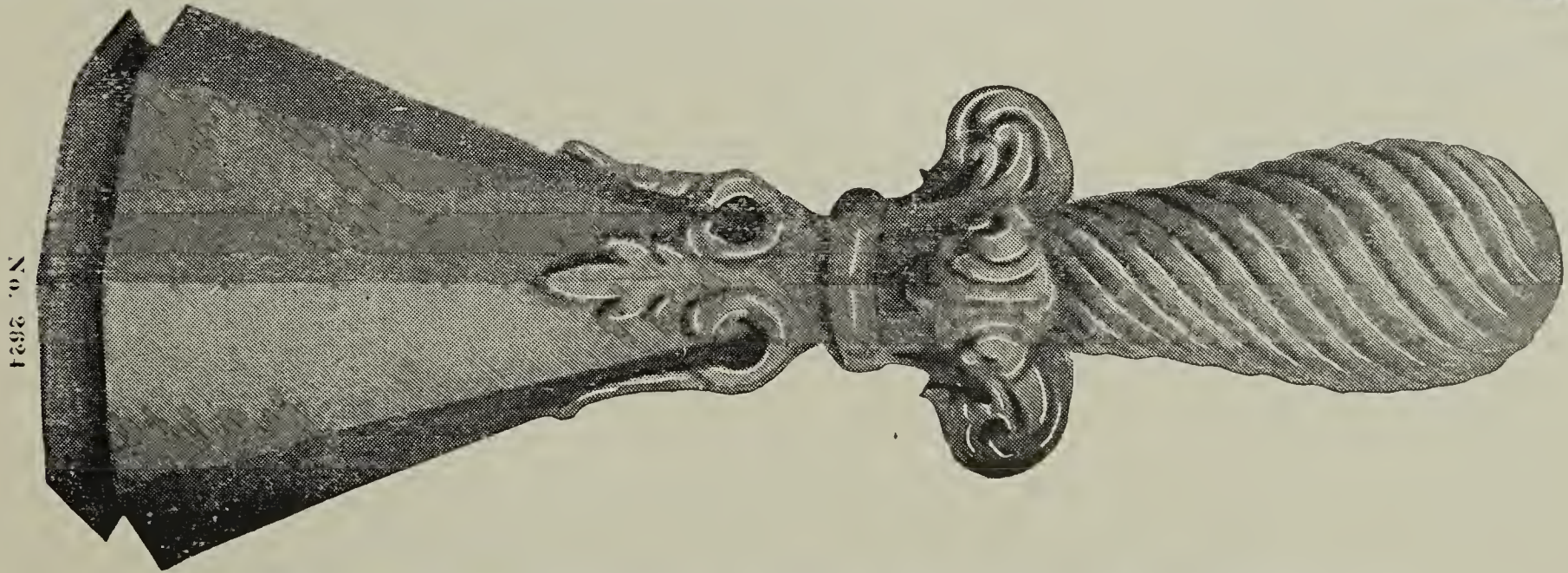
When ordering Finials state if base is to be square, round or octagon.

WE have every facility for manufacturing special designs of Finials, Cornices, Mouldings, Pediments, Urns, and everything in Architectural Sheet Metal Work.



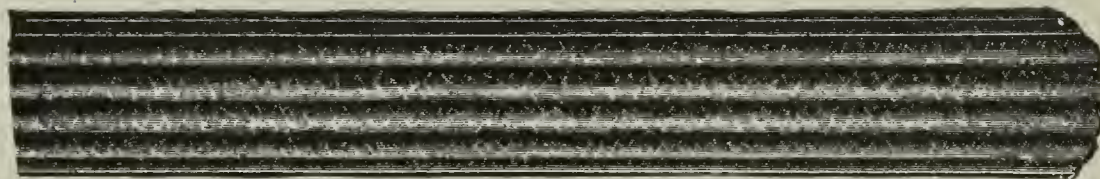
No. 2623.

SEND us sketch or blue print of your requirements, and we will cheerfully furnish you an estimate.



No. 2624.

Opening at base, 12-inch. Height, 45 inches. Price \$8.50 each.

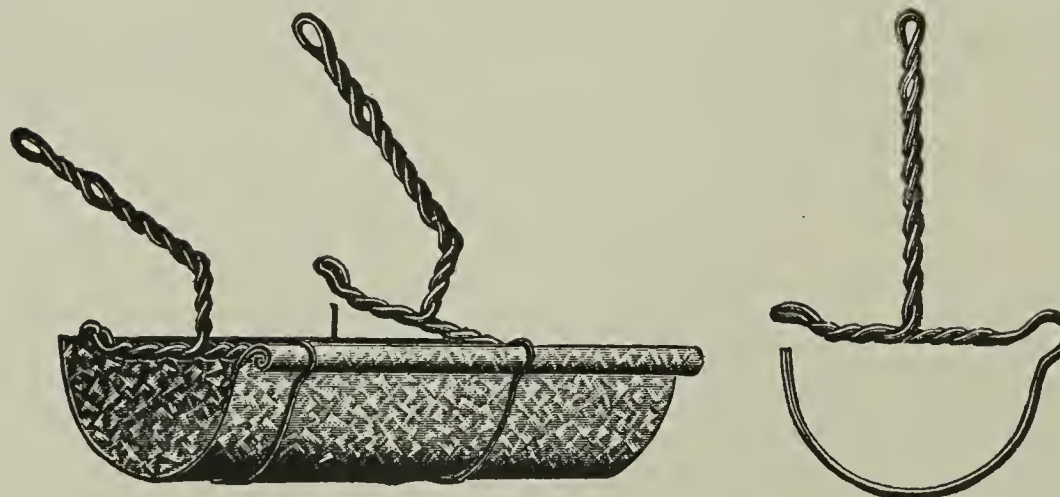


Galvanized Iron Corrugated Expanding Conductor.
10-foot Lengths.

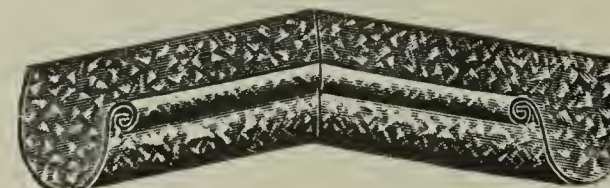
ELBOWS and SHOES.



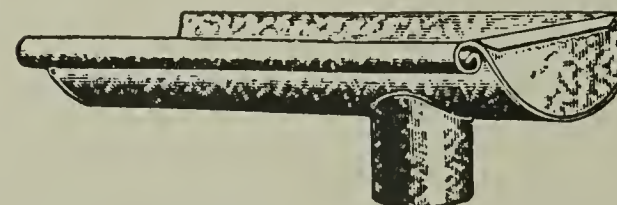
Galvanized Elbows and Shoes.



Galvanized Iron Gutters and Wire Hangers.



INSIDE CORNER MITRE
These Mitres are made for both inside
and outside bead, slip or lap joint.



END PIECES. RIGHT HAND.
We can furnish right or left, as desired

PRICE LIST.

Gutters.				Elbows.		End Pieces.		Mitres.		Shoes.		Conductor Pipe.							
3-inch	8	cts.	foot	40	cts.	each	50	cts.	each	30	cts.	each	36	cts.	each	12	cts.	per foot	
4	"	10	"	"	45	"	"	55	"	"	40	"	"	48	"	"	15	"	"
5	"	12	"	"	50	"	"	60	"	"	50	"	"	60	"	"	20	"	"
6	"	14	"	"	55	"	"	65	"	"	60	"	"	72	"	"	25	"	"

HOW TO APPLY Montross

Metal Shingles and Tiles.



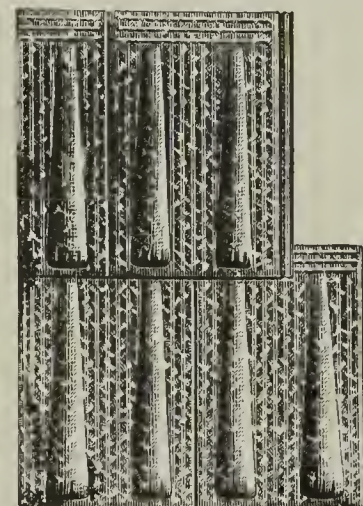
barb-wire nails. Use one nail at the lower end of flange, and one nail at the centre. Be sure that the flange is properly inserted into side-lock before nailing.

Always break joints by using a half shingle every other course, same as wood shingles and slate roofing. Allow the lower end of Shingles to lap over the third corrugation or lowest rib across the shingles, as illustrated in cut.

When starting each course place two or more shingles in position before nailing the first shingle. This insures laying them straight across the building, which is absolutely necessary to make a satisfactory roof.

VICTOR SHINGLES.

Start the first course at the left hand side (as you stand before the building) by laying the shingles along the Eave—give them about one inch projection and nail along the right hand side of shingle, through the outer flange with one-inch



Nail
Here



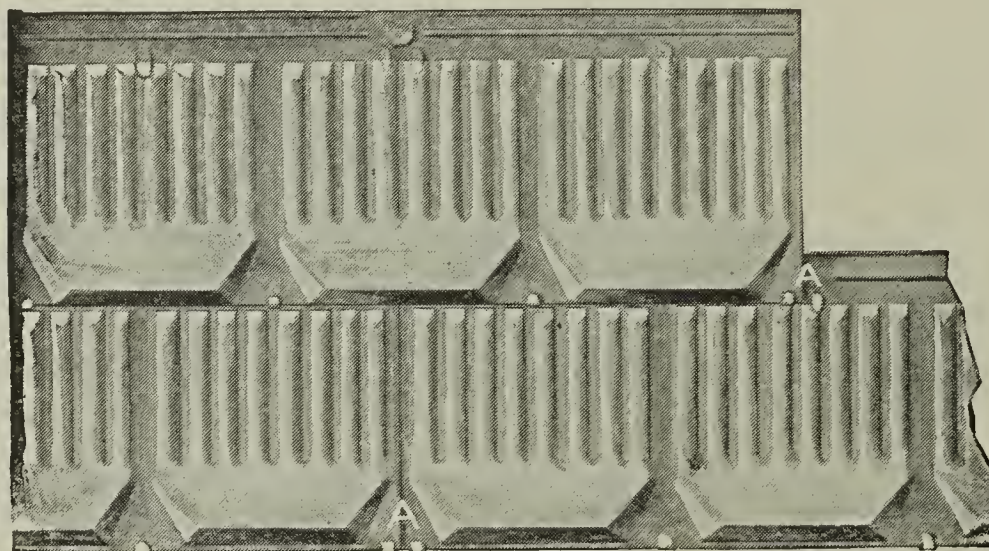
Nail
Here



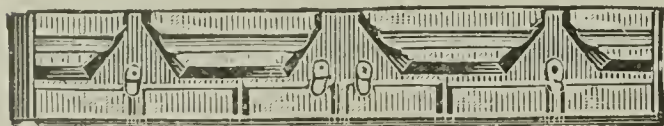
EASTLAKE AND OCTAGON SHINGLES.

Commence at the **right-hand side** (as you stand before the building), use the Eave course when provided, and give them a projection of about one inch. Nail along top edge above each cleat, with one-inch barb wire nails. See that all flanges are properly inserted into side locks before nailing. If no Eave Course is furnished, nail first course top and bottom. When starting, place two or more shingles in position before nailing first shingle. This insures starting straight across the building, which is necessary for a perfect roof, and the cleats will be sufficient guide to keep each succeeding course straight without the aid of a line.

Begin the next course at the right-hand side, as before, by using a half-shingle, so as to break joints, same as wood shingles or slate. The side-lock must lay between the two cleats which are riveted on the centre of shingles, so that cleats will fasten the shingles on each side of the lock. Allow the shingles to overlap the lower course to within three-eighths of an inch of the bottom of the cleats. Secure the lower edge by bending cleats upward over bottom edge of shingle, rap them down close with a hammer and avoid closing end of lock. The half-shingle, cut off in starting the course, works in at opposite side of the roof.



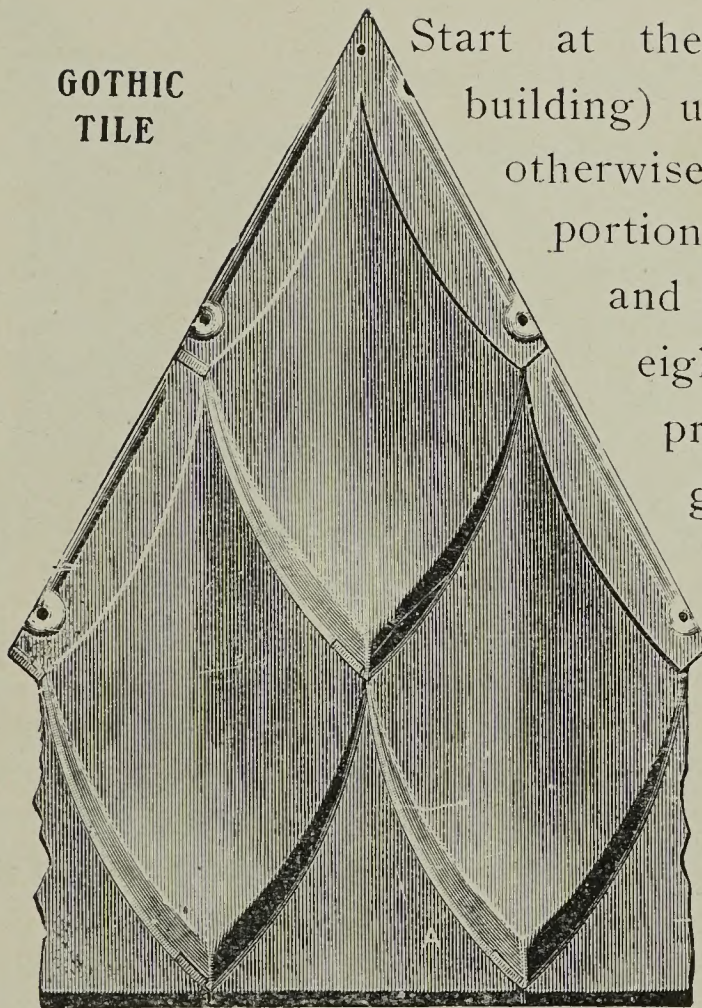
OCTAGON SHINGLE, showing how to break joints, and where shingles are united between the cleats marked "A."



EAVE COURSE.

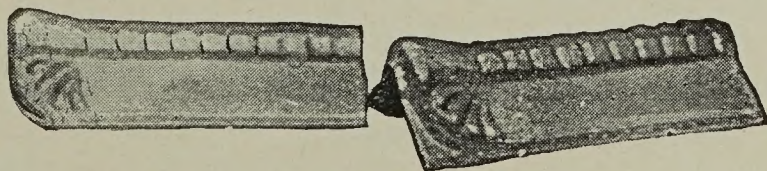
DIAMOND AND GOTHIC TILES.

GOthic
TILE



Start at the right-hand side (as you stand before the building) using the half-tiles or starters when provided, otherwise cut five and one-half inches off the lower portion of tiles for the first course (see illustration A) and form a flange inward at right angles about three-eighths of an inch, which gives the first course the proper finish. In laying the tiles it is necessary to get the first course perfectly straight. Always nail the right-hand side of each tile first, then place the second tile in position, overlapping the first tile, so that the buttons fit over each other exactly, requiring only one nail for each tile. Be sure that the lower points of tiles are properly fastened with cleats, which are formed at the right-hand side of each tile.

At Hips and Ridge of Roof allow Metal Shingles to overlap each other one inch, or turn the shingles up, same as a standing seam roof, and cover with Japanese Hip Cap or Galvanized Rope Ridging.



JAPANESE HIP-CAP.

When Covering the Hips always commence at the eave and lay toward the ridge, and overlap each section at least two inches.

Montross Galvanized Valley—

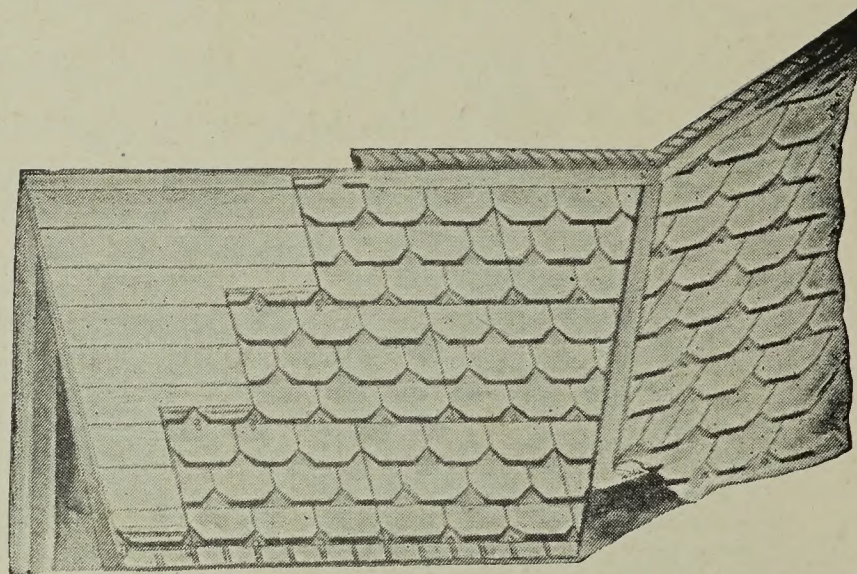
Commence at the eave with the notched corners of the Valley at the bottom, overlap or telescope each section two inches and nail through outer flange. Our special Valley makes a tight joint without solder, and allows for contraction and expansion.

At Chimney and Abutting Walls turn the shingles up against the bricks about three inches and overflash by using pieces of shingles. Treat same as wood shingles or slate.

In Uniting Metal Shingles to Valley, allow them to project over the inner flanger about one-half inch, and cut the shingles to fit angle of Valley. Bend over a straight edge, so as to form a hook, and nail in position.

When Stop Gutter is placed on Roof (illustrated on page 36), first lay a course of full shingles along the eave, allow them to project about an inch, and nail top and bottom. Start the course above the gutter, with Eave Course, or full shingles and overlap gutter about three inches at lowest point.

If Gable Finish (illustrated on page 36) is not ordered, allow shingles to project over edge of roof about one inch, bend down and nail into sheathing boards. Shingles may be turned up at right angles when Gable Finish is used.



Above cut shows method of applying our metal shingles to a roof by breaking joints, same as wood shingles or slate. It also illustrates our Galvanized Rope Ridging, and the shingles united to the valley.

YOU make no mistake in specifying and using Montross Metal Shingles and Tiles. They give satisfaction and save you dollars.



SAMPLES—Our Eastlake and Octagon Shingles are too large to send by mail. Upon receipt of 50c (stamps accepted) to pay expressage, we will forward you a full line of samples, both Tin Painted and Galvanized, making no charge for the same.

Bulkhead covered with Montross Gothic Tiles, and
Japanese Hip Cap

MONTROSS METAL SHINGLES are no experiment; for twenty years they have
proven their Superiority over all other kinds of Roofing.



. . . ESTABLISHED 1889 . . .

MONTROSS METAL SHINGLE CO.

CAMDEN, NEW JERSEY, U. S. A.